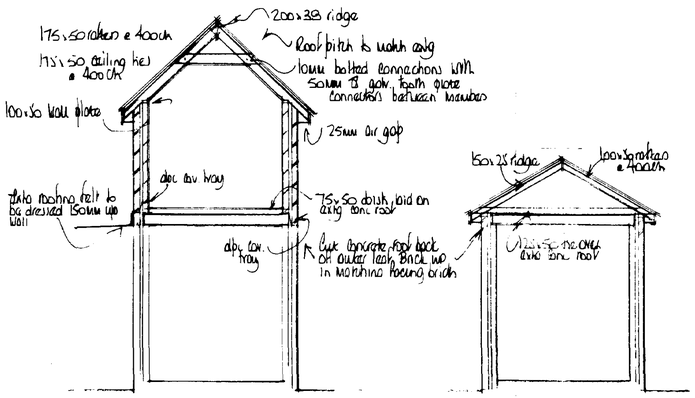


A - A SECTION

B - B

FOUNDATIONS

Foundations to be exposed for inspection by Local Authority Building Control Dept to confirm adequacy fto accept first floor extension.

Any investigation work relating to extg foundations should be carried out prior to the commencement of any works.

FLOOR CONSTRUCTION

First
18mm Weyroc floor panels
75 x 50mm s/w joists at 400mm cts to be laid over extg reinforced concrete roof slab.
Extg ceiling to u/s slab to remain as extg.

WALL CONSTRUCTION

Above Ground
To be 265mm o/a constructed as follows :-

100mm facing brick (to be FL quality below dpc level)
65 mineral wall insulation i.e. Dritherm (k = 0.036)
100mm loadbearing insulation blocks i.e. Hemelite (k = 0.44)

All to be tied together using stainless steel wall ties positioned at distance not exceeding 900mm horizontally, 450mm vertically and staggered. To be at every block course vertically at all returns and reveals.

Internal finish to be 12mm render with gypsum plaster skim finish to give a 'U' value of 0.414W/mK

DPC in Walls
An insulating vertical cavity closer and dpc, i.e. Thermabate, is to be provided to all cavity closures. A dpc cavity tray, stepped as applicable, is to be constructed within the wall immediately above an abutment and where indicated on section .

LINTELS

Lintel to be IG, or similar and equivalent, to have a min. 150mm end bearing and be installed in strict accordance with manufacturers instructions with a dpc cavity tray over where applicable.

Lintels to be protected with min. 15mm gypsum plaster skim finish to give a min. half hour fire protection.

WINDOWS

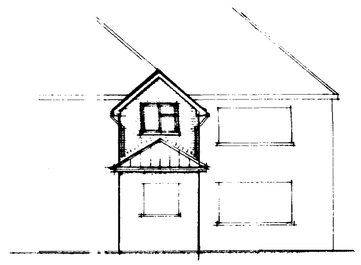
Window to be purpose made UPVC, double glazed with 12mm air gap to sealed units and weather stripped.
Window to be 1200mm wide x 1050 deep.
Window to incorporate a controllable trickle vent of 4000 mm².

VENTILATION

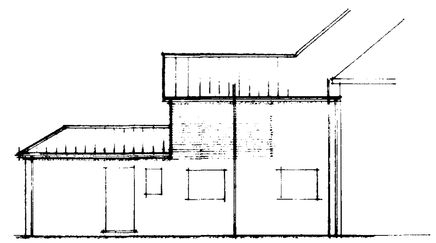
The bathroom is to be mechanically ventilated direct to the external air. The capacity of the extractor is to be 15 litres/sec.

ELECTRICAL INSTALLATION

The Electrical Contractor is to ensure that the electrical installation is in full compliance with the latest edition of the I.E.E. Regulations
Any electrical fitting indicated on the drawing in a position contravening these regulations must be relocated in order to achieve full compliance.



S. EAST



N. EAST

HOT WATER SYSTEM

A room thermostat or radiator valves are to be installed.

All pipes not contributing to useful heat requirements are to be insulated using an insulation material with a thermal conductivity not exceeding 0.45W/mk and a thickness equal to the external diameter of the pipe up to a max. of 40mm.

DRAINAGE
Surface
Excavate for and lay in where indicated 100mm diam. flexible jointed UPVC drains on 100mm pea gravel bed from 100mm diam. upturned bend at base of downpipe to surface water soakaway.

Form soakaway where indicated a min. 5.0m from the nearest building. Excavate 1200 x 1200 x 1200mm deep, backfill with brick rubble to 300mm below ground level, lay in sheet polythene and make up with vegetable soil.

Foul
Supply and install proprietary upvc inspection chambers on 100mm pea gravel bed in strict accordance with manufacturers instructions. Inspection chambers to conform to the following sizes : -

Depth	Internal diam	Cover diam
.6m or less	190mm	190mm
1.0m or less	450 mm	450mm

Excavate for and lay in where indicated 100mm diam. flexible jointed upvc drains on 100mm pea gravel bed at a gradient of 1 : 70.

Install where indicated a 100mm diam. soil and vent pipe jointed to 100mm diam. upturned bend at base. Finish at top, a min 900mm above window head height, with a durable cage.

Install 40mm diam. pvc waste to wash hand basin and shower, *(NOTE : shower trays to be constructed on a suitable plinth to maintain access to trap and waste)*, 32mm diam. pvc waste to bidet all with 75mm deep traps. 40mm diam. pvc waste to bath with combined trapped waste and overflow. *Unless specified other wise on plan*
All waste pipes to have rodding access at each change of direction and be readily accessible throughout their length.

Above ground drainage to comply with BS5272 : 1978
Below ground drainage to comply with BS8301 : 1985

All drainage items are to be installed in strict accordance with the manufacturers instructions.

ROOF CONSTRUCTION

Tiles
The roof is to be covered with interlocking concrete roof tiles fixed in strict accordance with manufacturers instructions.

Battens
Approved quality tanalised s/w battens. 38 x 25mm, are to be laid at a gauge suitable for the tiles and fixed with 90 x 3.35mm wire nails. Battens should be at least 1.2m in length and should be of sufficient length to be supported at each end and intermediately by at least three rafters, trusses or walls. Butt joints over intermediate supports should be staggered and the ends must be sawn.

Underlay
Approved reinforced roofing felt, type 1F to BS 747, is to be laid over the rafters lapped 150mm at the joins and secured with clout nails. The underlay should extend over the fascia board and into the eaves gutter. In order to prevent water traps behind the fascia it is recommended that a strip of 6mm marine plywood is provided to support the underlay. The ply is to be laid over the rafters and under the roofing felt positioned as close as possible to the last tiling batten and secured to the fascia.

Eaves
Eaves are to be formed with standard size tiles and purpose made eave fillers must be nailed to the fascia board. Eave tiles must be laid at the same pitch as the main body of tiling and should overhang the fascia by an amount sufficient to ensure that the water discharges into the centre of the gutter.

Verges
Verges are to be formed with 150mm wide asbestos cement strip onto which is bedded the tiles which form the verge projecting approx. 50mm over bargeboards or gable brickwork.

Ridge
The ridge is to be covered with segmental ridge tiles of the same colour as the main body of tiling, unless specified otherwise, and secured using a proprietary ventilated dry ridge system having ventilation equivalent to a continuous 6mm gap.

Valleys
Valleys are to be formed with Code 4 lead lining supported by boards with the adjacent tiling neatly cut and bedded onto plain tile slips leaving a clear channel approx. 125mm wide.

Hips
Hips should be covered with Marley segmental ridge tiles of similar colour and texture to that of the main roof tiles. The tiling should be cut closely to the rake of the hip and the ridge tiles bedded, with solid bedding at butt joints, onto the adjacent roof tile.

A galv. hip iron, 6mm thick, should be fixed at the base of the hip tree with 2No. 2.65mm diam. screws.

The first hip tile should be shaped at the foot to the line of tiling at the eaves and the fair end filled with mortar inset with pieces of tile and neatly pointed.

The junction of the hip and ridge should be mitred using a standard three way mitre and solid bedding.

Abutments
The tiling is/to be cut closely at abutments and weathered by Code 4 lead flashing dressed down over the tiles and up the abutment a min. 150mm

Mortar
All bedding mortar is to consist of 3 parts sharp sand to 1 part Portland cement and should be struck off to give a smooth face and pointed in one operation.

Insulation
To be Rockwool Rollbatts (k = 0.037 W/mK), 150mm laid between joists with a further layer of 80mm laid at right angles over the top.
Where the ceiling follows the line of the roof 50mm Celotex Double-R insulation is to be laid between rafters with a 50mm air space between the insulation and the roofing felt.

Ceilings
12.7mm foil backed plasterboard, fixed in accordance with manuf. instructions with all necessary noggins etc. and finish with artex/skim finish in accord with clients instructions.

Ventilation
Provide a 25mm continuous gap covered with insect proof gauze to the soffit to provide cross ventilation to the roof space.

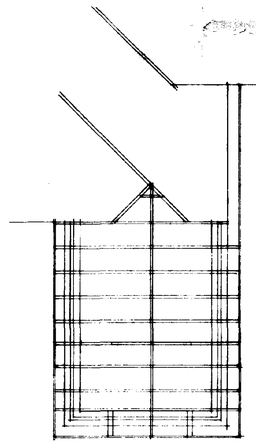
Rainwater Goods
Supply and fix 103mm PVC gutters to fascia with all necessary brackets, stop ends, outlets etc.

Supply and fix 64mm PVC downpipes securely clipped to walls at 1500mm cts with all necessary offsets, swannecks, adaptors etc and taken into 100mm diam. upturned bend at base.

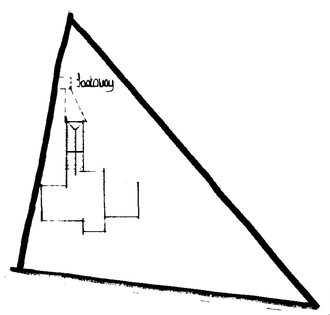
STRAPPING

Where rafters, floor joist and ceiling ties run parallel to walls they are to be strapped at 1800mm cts. Straps to be fixed to a min. 3No. rafters etc., having nogged between beforehand, and hooked into the cavity a min. 150mm.
Similar straps to be used at 1800mm cts to hold down the wall plate.

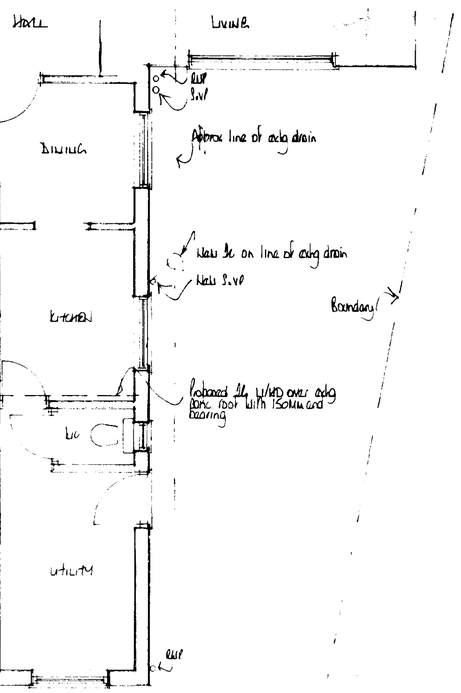
Straps to be 30 x 6mm galv. m.s.



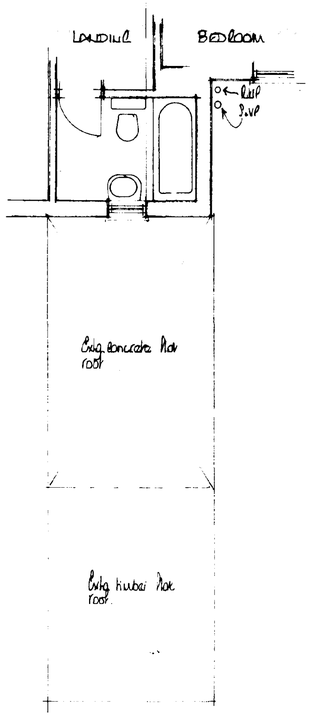
ROOF PLAN



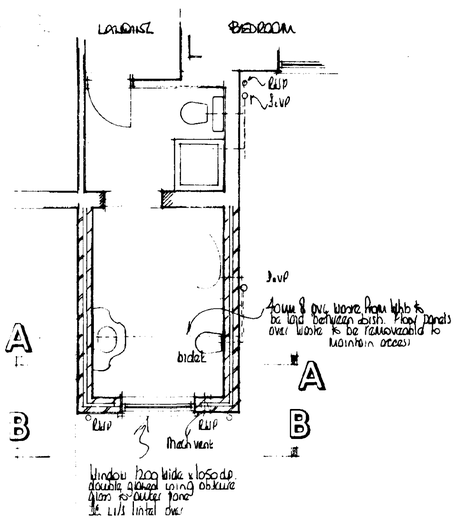
BLOCK PLAN



GROUND FLOOR PLAN



EXISTING FIRST FLOOR PLAN



PROPOSED FIRST FLOOR PLAN

DETERMINED PLAN

SOUTH KESTEVEN DC HOUSING & PLANNING 02 MAY 1996 Ref: 0334/96

A		
	Date	Revisions

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Client
Mr P. & Mrs L. SAVAGE

Job Title
EXTENSION to BATHROOM AT 18 BROAD LANE MOULTON SPALDING.

Drawing Title
PLANS SECTION & ELEVATIONS

Scale 1:50 , 1:100 , 1:500

Date Feb. '96 | Drawn by AL

Drg. No. 96/06/01 | Rev .